

Amendments to the Specification:

After the title, please insert the following subheading and paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is entitled to the benefit of and incorporates by reference essential subject matter disclosed in international Patent Application No. PCT/DK2003/000603 filed on September 18, 2003 and Danish Patent Application No. PA 2002 01380 filed on September 20, 2002.

Before paragraph [0002], please amend the following subheading:

FIELD OF THE INVENTION INTRODUCTION

Please amend paragraph [0002] as follows:

[0002] The present invention relates to an actuator, e.g. for use in robotic applications. ~~The actuator could be made from a sheet comprising a plate shaped element with an elastomeric body confined between electrodes. The electrodes are arranged with respect to the elastomeric body to deform the body upon application of an electrical field to the electrodes. The plate shaped element is rolled into a cylindrical structure capable of expanding and contracting, respectively, upon application of an electrical potential to the electrodes.~~

Before paragraph [0006], please amend the following subheading:

SUMMARY OF THE INVENTION-DESCRIPTION OF THE INVENTION

Before paragraph [0021], please amend the following subheading:

**BRIEF DESCRIPTION OF THE DRAWINGS-DETAILED DESCRIPTION OF
THE INVENTION**

Please amend paragraphs [0027] and [0028] as follows:

[0027] Figs. 7a-7f ~~shows~~ show the assembling sequence for the assembling of two elements into one sheet, and

[0029] Figs. 8a-8d show filling of a cavity of the rolled structure with a liquid elastomer.

Before paragraph [0030], please insert the following subheading:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please amend paragraph [0036] as follows:

[0036] The cross section ~~a-a~~a-1-1 of Fig. 4 indicates the view shown in Fig. 1, and the cross section ~~b-b~~b-2-2 indicates the view shown in Fig. 2. The two terminals 5 and 6 are connected to an electrical high voltage source via conductive wires 11 attached to the terminals along the rim portions of the terminals. This connection gives the electrode of elements 1 and 7 different potentials, and the induced electrical field will pull the electrodes towards each other. This will result in a shrinkage displacement of each of the bodies 2, indicated by arrows 10 on Fig. 4, whereby the vertical displacement of the actuator will occur, indicated by arrows 4 in Figs. 1, 2 and 3.

Please amend paragraph [0044] as follows:

[0044] ~~Fig. 7a-7f~~Figs. 7a-7f ~~show~~show an element of a first type 20 and an element of a second type 21. The element of the first type comprises a conductive terminal 22 of a first type and a conductive terminal 23 of a second type. The elements are stacked to form a sheet 24 comprising alternating elements of the first type 20 and elements of the second type 21, i.e. in which the conductive terminals are placed at opposite sides of the elastomeric body 25.

Please add the following new paragraph [0046]:

[0046] While the present invention has been illustrated and described with respect to a particular embodiment thereof, it should be appreciated by those of ordinary skill in the art that various modifications to this invention may be made without departing from the spirit and scope of the present invention.